

PM ITE



Mr. Rick Copeland

Deputy Project Manager Integrated Training Environment






Synthetic Environment (SE) Core

Description/Summary of Program Requirements

The SE Core program is responsible for developing the Common Virtual Environment (CVE) that facilitates fair fight interoperability for all Integrated Training Environment system and non-system Training Aids, Devices, Simulators and Simulations (TADSS).

- Current TADSS include CCTT, AVCATT, HITS, WARSIM, JCATS, JNEM, AARS, JDLM, MUSE, ATEMC, FIRESIM, OneSAF, GFT, LVC-IA, as well as inputs to the full range of Army Mission Command Information Systems (MCIS). Additional systems are expected to be added every three to five years.
- The terrain and model development efforts provide non-proprietary, open format, and image generator/renderer independent CVE deliverables. These efforts, linking current and future ITE training devices/simulations will enable the Army to execute combined arms and joint training, as well as mission planning and rehearsals at home station and at deployment locations.










ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES		
<ul style="list-style-type: none"> • Competition: Full and Open • Contract Type: Proposed Single Award IDIQ with FFP and CPFF Orders 	<ul style="list-style-type: none"> • Five Years • One Year Base • Four One-Year options 	1QFY17  In PALT	1QFY17  Draft RFP	1QFY18  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)		
<p>Organization: PM ITE</p> <p>Phone: (407) 384-3601</p> <p>Email: usarmy.orlando.peo-stri.list.pm-ite@mail.mil</p>	<ul style="list-style-type: none"> • Mission and Customer • Estimated Value: \$208.7M 	<ul style="list-style-type: none"> • Leidos, Inc. 		



Battle Command Training Capability- Equipment Support (BCTC-ES)

Description/Summary of Program Requirements

BCTC-ES provides the furniture, fixtures, equipment (FFE), network, Reconfigurable Tactical Operation Center (RTOC), technical control, classroom and work cell capabilities and technical tools required for Army Mission Training Complexes (MTC) and for the associated Military Construction Army (MCA) infrastructure. BCTC-ES will enable the linkage of constructive simulations to Mission Command (MC) systems and extending unit communications. It provides equipment that integrates Army MC systems into Tactical Operation Center (TOC) sets, providing visualization of the Common Operating Picture (COP). BCTC-ES supports the requirements for the Risk Management Framework (RMF), which helps enable the linkage within a MTC that supports secure and distributed MC/Simulation training.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES									
<ul style="list-style-type: none"> • Single Award IDIQ • Competitive Contract • Small Business Set Aside 	<ul style="list-style-type: none"> • Five Years • One Year Base • Four One-Year options 	<table border="0"> <tr> <td style="text-align: center;">2QFY16</td> <td style="text-align: center;">1QFY17</td> <td style="text-align: center;">4QFY17</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> <tr> <td style="text-align: center;">Market Research / SSN Update / PALT</td> <td style="text-align: center;">Draft RFP</td> <td style="text-align: center;">Contract Award</td> </tr> </table>	2QFY16	1QFY17	4QFY17				Market Research / SSN Update / PALT	Draft RFP	Contract Award
2QFY16	1QFY17	4QFY17									
											
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POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)									
<p>Organization: PM ITE Phone: (407) 384-3601 Email: usarmy.orlando.peo-stri.list.pm-ite@mail.mil</p>	<ul style="list-style-type: none"> • Mission and Customer • Estimated Value: \$95.7M 	<ul style="list-style-type: none"> • CTS IDIQ – GDIT orders through 4Q17 									






One Semi-Automated Forces (OneSAF)

Description/Summary of Program Requirements

OneSAF is a composable Computer Generated Forces (CGF) simulation designed for brigade and below, combat and non-combat operations. OneSAF represents a full range of operations, systems and control processes in support of simulation applications applied to the six Army Modeling and Simulation communities (Analysis, Acquisition, Intelligence, Training, Experimentation, Test and Evaluation). OneSAF is designed, and continues to evolve, in order to meet the constructive simulation challenges of each of these communities.

Characteristics:

- Supports the full range of Warfighting Functional areas
- Provides high fidelity environmental representation
- Provides composability of entity, unit and system levels
- Web enabled
- Implements interoperability using DoD/industry standards
- Supports multiple operating systems (Linux, Windows)
- Provides Common Components, Environmental Runtime Component (ERC) and Mission Command (MC) Adapter




ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES		
<ul style="list-style-type: none"> • Competition: Small Business Set-aside • Contract Type: Single Award IDIQ 	<ul style="list-style-type: none"> • Five Years • One Year Base • Four, One-Year options 	1QFY16  Market Research/SSN Update	1QFY17  Target to be in PALT	2QFY18  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)		
<p>Organization: PM ITE</p> <p>Phone: (407) 384-3601</p> <p>Email: usarmy.orlando.peo-stri.list.pm-ite@mail.mil</p>	<ul style="list-style-type: none"> • Mission, Customer and Foreign Military Sales • Estimated Value: \$69M 	<ul style="list-style-type: none"> • Current contracts with: <ul style="list-style-type: none"> • CESI • Leidos+ 		



Close Combat Tactical Trainer (CCTT) Post Deployment Software Support (PDSS)

Description/Summary of Program Requirements

The PDSS program will continue the baseline management, maintenance and evolution of the CCTT system software and hardware. The contractor will provide non-personal, technical support services primarily for simulation and military expertise related to: CCTT interoperability with the Army's Integrated Training Environment (ITE) family of systems; mission command system interoperability; systems and software engineering; life cycle software support; testing; software development; quality assurance; cybersecurity; configuration management; distribution; installation; training; and publications support. The contractor must be well versed in industry standards, software development methodologies, image generators, virtualization technologies and applications, and will be driven towards implementing solutions that will extend the useful life of the CCTT system. The contractor will integrate third party developed software, manage a central CCTT software baseline, and execute system acceptance testing prior to software fieldings.










ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES		
<ul style="list-style-type: none"> Competitive - Small Business Set Aside Contract Type: Single Award ID/IQ 	<ul style="list-style-type: none"> Five Years One Year Base Four, One-Year options 	1QFY17  Draft RFP	2QFY17  RFP	3QFY17  Contract Award
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)		
<p>Organization: PM ITE Phone: (407) 384-3601 Email: usarmy.orlando.peo-stri.list.pm-ite@mail.mil</p>	<ul style="list-style-type: none"> Mission Estimated Value: \$62M 	<ul style="list-style-type: none"> AVT Simulations 		



Close Combat Tactical Trainer (CCTT) Manned Module Modernization

Description/Summary of Program Requirements

The CCTT Manned Module Modernization contract will be utilized to perform a full system tech refresh and implement concurrency upgrades throughout the fleet. This contract will include scope for all M1 Abrams, M2 Bradley, and Reconfigurable Vehicle Simulator (RVS) module types. The efforts will include implementation of a new Input/Output subsystem, analysis and implementation of new visual display components (monitors, projectors, etc.), reduction of module computer hardware, virtualization, concurrency updates for the M1, M2, and RVS modules, development of new kits for the Joint Light Tactical Vehicle and Armored Multi-Purpose Vehicle, updates to the technical data package, hardware procurement and fielding.










ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES									
<ul style="list-style-type: none"> Competitive - Full & Open Contract Type: Single Award ID/IQ 	<ul style="list-style-type: none"> Five Years One Year Base Four, One-Year options 	<table border="0"> <tr> <td>1QFY17</td> <td>2QFY17</td> <td>3QFY18</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>Draft RFP</td> <td>RFP</td> <td>Contract Award</td> </tr> </table>	1QFY17	2QFY17	3QFY18				Draft RFP	RFP	Contract Award
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<p>Organization: PM ITE Phone: (407) 384-3601 Email: usarmy.orlando.peo-stri.list.pm-ite@mail.mil</p>	<ul style="list-style-type: none"> Mission and Customer Estimated Value: \$247M 	<ul style="list-style-type: none"> Concurrency: Lockheed Martin Modernization: New 									



Aviation Combined Arms Tactical Trainer (AVCATT) Concurrency & Manned Module Modernization

Description/Summary of Program Requirements

The AVCATT Concurrency & Manned Module Modernization project will be used to perform aircraft manned module upgrades and to perform system tech refresh to improve operations, reliability, and maintainability for the AVCATT and Nonrated Crew Member Manned Modules (NCM3) devices. This effort will include virtualization of manned module computers, modernization of image generators, refresh of various trailer hardware components, and concurrency updates for the UH-60, CH-47, AH-64, and UH-72 modules, hardware procurement, software upgrades, and fieldings.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES									
<ul style="list-style-type: none"> • Competition: TBD • Contract Type: TBD 	<ul style="list-style-type: none"> • TBD 	<table border="0"> <tr> <td>1QFY17</td> <td>4QFY17</td> <td>3QFY18</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>SSN</td> <td>RFP</td> <td>Contract Award</td> </tr> </table>	1QFY17	4QFY17	3QFY18				SSN	RFP	Contract Award
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POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)									
<p>Organization: PM ITE Phone: (407) 384-3601 Email: usarmy.orlando.peo-stri.list.pm-ite@mail.mil</p>	<ul style="list-style-type: none"> • Mission and Customer • Estimated Value: \$150M 	<ul style="list-style-type: none"> • Concurrency: AVT Simulations • Modernization: New 									

PM ITE



Back-Up Slides



Synthetic Training Environment (STE)

STE Foundational Capabilities

(INC1: COE, Data, Network, Terrain, Game Engine)



Unit Collective Maneuver Training

(INC2: Collective Virtual Trainers)

Description: A synthetic environment utilizing one world terrain, common authoritative data and models, that is cloud-enabled through the Army Enterprise Network, and is services-based through the Common Operating Environment, available for use anywhere a Soldier needs it.

Desired Attributes:

- Enables collective training and mission rehearsal capabilities for the Operational and Institutional training domains.
- Built as an open architecture using commercial standards.
- Services-based through the Common Operating Environment.

Acquisition Approach: STE will adopt an evolutionary acquisition strategy in which innovation can be harnessed to increase capability to the point of need.

The primary capabilities will be developed in two (2) Increments.

Increment 1:

Foundational capabilities to include COE, data, network, terrain, and training engine (will replace SE Core and GFT PoRs).

Increment 2:

Collective maneuver trainer replacement capability for ground and air (CCTT & AVCATT).